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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/629,054	07/29/2003	Tomoaki Hirayama	9683/157	5919	
7590 11/15/2005			EXAMINER		
Joseph W. Flerlage BRINKS HOFER GILSON & LIONE			APPIAH, CHARLES NANA		
P.O. BOX 10395			ART UNIT	PAPER NUMBER	
CHICAGO, IL 60610			2686		
			DATE MAILED: 11/15/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary		Ap	plication No.	Applicant(s)				
		10	0/629,054	HIRAYAMA ET AL.				
		Ex	aminer	Art Unit				
		CH	narles N. Appiah	2686				
Period fo	The MAILING DATE of this communic or Reply	ation appears	s on the cover sheet with the	correspondence ad	idress			
WHIC - Exter after - If NC - Failu Any	ORTENED STATUTORY PERIOD FO CHEVER IS LONGER, FROM THE MAnsions of time may be available under the provisions of SIX (6) MONTHS from the mailing date of this community period for reply is specified above, the maximum status to reply within the set or extended period for reply within the set or extended period for reply within the set or extended period for reply the office later than three months after the provided by the Office later than the provided by the Office later than the provided by the Office later than three months after the provided by the Offic	ILING DATE 37 CFR 1.136(a). nication. Itory period will ap ill, by statute, caus	OF THIS COMMUNICATIO In no event, however, may a reply be ti ply and will expire SIX (6) MONTHS from the the application to become ABANDONI	N. mely filed n the mailing date of this c ED (35 U.S.C. § 133).				
Status								
1)[\]	Responsive to communication(s) filed	on 26 Augus	et 2005					
2a)□								
	·_							
٠,١	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
		o ander Ex pe	ane Quayie, 1000 O.B. 11, 4	00 0.0. 210.				
Dispositi	on of Claims							
	Claim(s) <u>1-24</u> is/are pending in the application.							
	4a) Of the above claim(s) is/are withdrawn from consideration.							
5)⊠	☑ Claim(s) <u>1-13 and 15-24</u> is/are allowed.							
6)⊠	Claim(s) <u>14</u> is/are rejected.							
7)	Claim(s) is/are objected to.							
8)	Claim(s) are subject to restricti	on and/or ele	ection requirement.					
Applicati	on Papers							
9)□	The specification is objected to by the	Examiner						
	10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.35(a).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority ι	ınder 35 U.S.C. § 119		•					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:								
	1. Certified copies of the priority documents have been received.							
	2. Certified copies of the priority documents have been received in Application No							
	3. Copies of the certified copies of the priority documents have been received in this National Stage							
	application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.								
Attachmen	r(s)							
	e of References Cited (PTO-892)		4) Interview Summary	4) Interview Summary (PTO-413)				
	e of Draftsperson's Patent Drawing Review (PT0 nation Disclosure Statement(s) (PTO-1449 or P		Paper No(s)/Mail D	ail Date mal Patent Application (PTO-152)				
	No(s)/Mail Date	10/30/06)	6) Other:	aton Application (PTC	J-102)			

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DETAILED ACTION

Terminal Disclaimer

1. The terminal disclaimer filed on 8/26/05 disclaiming the terminal portion of any patent granted on this application, which would extend beyond the expiration date of Patent No. 6,658,257 has been reviewed and is accepted. The terminal disclaimer has been recorded.

Response to Arguments

2. Applicant's arguments with respect to claim 14 have been considered but are most in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 112

3. Claim 14 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

With regard to claim 14, it is not clear how "within each allotted frequency bands, allotting non-adjacent communication frequency bands being a communication frequency band which is the highest and a communication frequency band which is the lowest in the frequency band corresponding to that carrier, to low power communications" is carried out. This makes the claim indefinite as it is not clear how the non-adjacent communication frequency band, which is the <a href="https://distribution.org/linearing-new-right

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Allowable Subject Matter

Claims 1-13 and 15-24 are allowed.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Dent (6,061,568) discloses a method for mitigating intermodulation distortion between frequency bands through allocation of different frequency bands to high and low power communications.

Hamabe (6,574,456) discloses a method for preventing interference of adjacent frequencies in a cellular communication system.

Bruckert et al. (5,430,761) discloses the use of frequency partitioning assign frequency spectrum based on power level.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles N. Appiah whose telephone number is 571 272-7904. The examiner can normally be reached on M-F 7:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marsha Banks-Harold can be reached on 571 272-7905. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

CA

CHARLES APPIAH PRIMARY EXAMINER